

the interference wave; and

a feedback circuit for feeding back, as a control voltage for the sinusoidal information signal generating section, via a second-order loop filter, a phase error signal that is detected by the phase comparing means.

--8. (Amended) The TV receiver according to claim 5, wherein the level adjusting means comprises a first-order loop filter and adjusts the level of the interference wave based on a level of the signals produced by the subtracting means.--

REMARKS

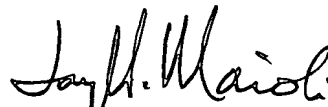
Claims 1-8 remain in the application and claims 1-5 and 7-8 have been amended hereby.

As will be noted from the Declaration, Applicant is a citizen and resident of Japan and this application originated there.

Accordingly, the amendments to the specification are made to place the application in idiomatic English, and the claims are amended to place them in better condition for examination.

An early and favorable examination on the merits is earnestly solicited.

Respectfully submitted,
COOPER & DUNHAM, LLP



Jay R. Maioli
Reg. No. 27,213

JHM/AVF

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE ABSTRACT OF THE DISCLOSURE

The Abstract of the Disclosure has been amended as follows:

--A radio wave that will act as an interference wave is received together with a desired wave. A phase locking section produces a phase-locked signal that is phase-locked at the frequency of the interference wave. A level adjusting section adjusts the level of the phase-locked signal and supplies the level-adjusted, phase-locked signal to a subtracter, whereby the interference wave component is eliminated from the desired wave. The desired wave from which the interference wave component [is] has been eliminated is fed back to the level adjusting section.--

IN THE CLAIMS

Claims 1-5 and 7-8 have been amended as follows:

--1. (Amended) An interference reducing circuit comprising:

phase locking means for attaining phase locking to an interference wave having a carrier frequency that is received together with a reception wave by tuning and for outputting a phase-locked signal;

level adjusting means for adjusting a level of [a] the phase-locked signal that is output from the phase locking

means; and

subtracting means for subtracting the level-adjusted, phase-locked signal from the reception wave and for producing a signal.

--2. (Amended) The interference reducing circuit according to claim 1, wherein the phase locking means comprises:

a voltage-controlled oscillator for producing and outputting a signal having a frequency that is varied by voltage control;

phase comparing means for comparing phases of [an] the output of the voltage-controlled oscillator and the interference wave; and

a feedback circuit for feeding back, as a control voltage for the voltage-controlled oscillator, via a second-order loop filter, a phase error signal that is detected by the phase comparing means.

--3. (Amended) The interference reducing circuit according to claim 1, wherein the level adjusting means comprises a first-order loop filter and adjusts the level of the [phase locked] phase-locked signal based on a level of [a] the signal that is produced by the subtracting means.

--4. (Amended) The interference reducing circuit according to claim 2, wherein the interference wave is an

amplitude-modulated or frequency-modulated carrier, and
[wherein] a loop characteristic of the phase locking means is
[so] set [as] to follow an amplitude modulation component or a
frequency modulation component.

--5. (Amended) A TV receiver comprising:

receiving means for receiving a transmitted broadcast
including video or audio [information] signals;

an A/D converter for converting, into digital
information, [a] the video or audio [signal] signals received
by the receiving means and for outputting digital information
of the video or audio signals;

a signal processing circuit for demodulating the digital
information of the video or audio [information] signals that
is output from the A/D converter;

phase locking means for attaining phase locking to
interference wave information that is mixed in the digital
information that is output from the A/D converter;

level adjusting means for adjusting a level of the
interference wave information to which phase locking is
attained by the phase locking means; and

subtracting means for subtracting the level of the
interference wave information obtained by the level adjusting
means from the video or audio [information] signals and for
producing signals.

--7. (Amended) The TV receiver according to claim 6,

wherein the phase locking means comprises:

a sinusoidal information signal generating section for generating a signal having a phase that is varied in accordance with control information and for outputting a generated signal;

phase comparing means for comparing phases of [an] the output of the sinusoidal information signal generating section and the interference wave; and

a feedback circuit for feeding back, as a control voltage for the sinusoidal information signal generating section, via a second-order loop filter, a phase error signal that is detected by the phase comparing means.

--8. (Amended) The TV receiver according to claim 5, wherein the level adjusting means comprises a first-order loop filter and adjusts the level of the interference wave based on a level of [a signal] the signals produced by the subtracting means.--